

Five Flags Speedway partners with AF laboratory

by Rex Swenson, Munitions Directorate



TAKING THE CURVES — Members of the Air Force Research Laboratory Munitions Directorate recently got the thrill of cruising around the Pensacola Five Flags Speedway in the Lab's Mobile Test Vehicle (MTV). Personnel from the Navigation and Control Branch were conducting an acceleration data gathering experiment. According to Capt. Jae Yang, the experiment required the test vehicle to be moving at a high rate of speed thus making use of the track's banked surface to induce roll which would be unattainable on streets. This banking allowed the MTV to take sharp turns at 55 mph, causing lateral acceleration or g-loading, as it is also known. This allowed engineers to determine if there was sufficient acceleration for future munitions inertial navigation testing.